



Panasonic's Model NV-3120 is designed to the exacting specifications of the new EIAJ recommended color standard and is fully compatible with EIAJ # 1 standard for both recording and playback in black and white. Panasonic has added some features of its own to the recommended color standard: exclusive HPF (Hot Pressed Ferrite) heads for longer head life and higher picture quality, an inscribed head drum for sure interchangeability, and even a dropout compensator that all but eliminates video dropouts from s" tape. The NV-3120 is a lightweight, compact and economical 1/2" color recorder that allows even the most budget conscious institution or government agency to make the important change to color and still maintain full capability for recording and playing back tapes on the EIAJ # 1 black and white standard. Even tapes recorded in color can now be played back on black and white machines of the Panasonic 3000 series or any other #1 standard machine. The NV-3120 uses standard 5" video tape for added economy. Special features of the NV-3120 include automatic video and audio level recording controls which may also be operated manually, an audio dubbing facility, still framing, and automatic color lock control. The NV-3120 provides more than 240 lines of horizontal resolution in color and better than 300 lines in black and white. Its ease of operation and quality construction make the NV-3120 the logical choice for almost any governmental, institutional or educational closed circuit television application.



QUALITY ENGINEERING FEATURES

1. EIAJ Recommended Standard 1/2" Color and EIAJ #1 B/W.
2. Built in color capability.
3. HPF (Hot Pressed Ferrite) heads afford extra long head life and high picture quality.
4. New technology from Panasonic allows incorporation of a Dropout/Noise compensator that virtually eliminates Dropout.
5. Simple tape threading.
6. Precision inscribed tape path on head drum insures 100% tape interchangeability with all Panasonic NV-3000 series VTRs.
7. Audio dubbing.
8. Still framing.
9. Skew (back tension) control.
10. 1 hour playback and record capability.
11. Automatic end of tape shutoff.

12. RF modulator (optional) for playback on conventional TV sets.
13. Automatic video and audio control. May also be operated manually.
14. Automatic color indicator light verifies presence of color.

Power: AC 117 V, 60 Hz

Power Consumption: Approx. 75 Watts

Video Recording System: 2 Rotary Heads, USA Standards (525 lines, 60 fields)

Video Modulation System: Both sideband FM

Video Modulation System: 7.5 i.p.s.

Tape Speed 7 inches

Reel Size 7 inch

Tape Width 1 1/2"

Heads:

Video: 2 Rotary Heads

Audio/Control: 1 Stationary

Erase Head: 1 Full Track

Erase Head: for Audio Dubbing

Recording Time: 63 minutes with NV-P71 (2400 ft)

Horizontal Resolution: B/W More than 300 lines, Color More than 240 lines

Active Elements: Fully Transistorized

Frequency Response:

Video: Greater than 2.5 MHz

Audio: 80 \pm 10,000 Hz

Signal to Noise Ratio:

Video: Better than 40db

Audio: Better than 40db

Input Level:

Video: Min. 0.5 Vp-p

Audio: MIC 0.001 V (-60db)

AUX 0.1 V (-20db)

Input Impedance:

Video: 75 ohm unbalanced

Audio: MIC 20K ohm unbalanced

AUX 1M ohm unbalanced

Output Level:

Video: 1.0 Vp-p (0 db)

Audio: 0.1 V (-20 db)

Output Impedance:

Video: 75 ohm unbalanced

Audio: 600 ohm unbalanced

Dimensions: 15 7/8" (W) x 8 7/8" (H) x 17 1/8" (D)

Weight: approx. 40 pounds

Standard Accessories:

Video Splicing Tape (1 roll) 3 1 pc. ,

AC Cord (7ft) (1 pc)

VTR/TV connection cable (6 ft) (1 pc)

7" empty reel (1 pc)